

Comparisons of Job Characteristics

Focus Occupation: [Electrical Power-Line Installers and Repairers \(49-9051\)](#)

Associated Occupation: [Telecommunications Line Installers and Repairers \(49-9052\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation: Telecommunications Line Installers and Repairers (49-9052)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Telecommunications	3.9	14.0	6.3	<< Extensive education and/or training may be required
Customer and Personal Service	11.3	13.8	16.9	> Current knowledge level is likely sufficient
Computers and Electronics	8.4	10.4	5.7	<< Extensive education and/or training may be required
Engineering and Technology	5.7	8.7	9.4	0 Current knowledge level may be sufficient
Design	5.2	6.8	8.0	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation: Telecommunications Line Installers and Repairers (49-9052)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Troubleshooting	4.5	9.8	10.5	0 Current skill level may be sufficient
Operation Monitoring	6.6	9.3	9.8	0 Current skill level may be sufficient
Operation and Control	5.4	9.1	9.6	0 Current skill level may be sufficient
Equipment Maintenance	3.5	8.3	7.9	0 Current skill level may be sufficient
Repairing	3.4	7.1	9.6	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation: Telecommunications Line Installers and Repairers (49-9052)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Extent Flexibility	4.8	11.1	9.5	<	Some improvement in abilities may be required
Control Precision	6.6	10.7	10.8	0	Current ability level may be sufficient
Multilimb Coordination	6.0	10.6	12.2	>	Current ability level is likely sufficient
Visual Color Discrimination	6.4	9.6	8.5	<	Some improvement in abilities may be required
Time Sharing	6.6	8.5	7.7	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	6.9	8.4	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 100

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation: Telecommunications Line Installers and Repairers (49-9052)

Work Activities	Exclusivity of Activity
Apply cleaning solvents	41
Climb ladders, scaffolding, or utility or telephone poles	56
Distinguish colors	44
Erect power or communication poles or towers	95
Install electrical conduit or tubing	81
Install power or communication lines, lead-in lines or cables	99
Install/string electrical or electronic cable or wiring	76
Move or fit heavy objects	8
Read blueprints	10
Read schematics	34
Read tape measure	41
Read technical drawings	7
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Repair power or communication lines	99
Splice electric cable	85
Splice electric or communications trunk lines	92
Test electrical/electronic wiring, equipment, systems or fixtures	54
Use electrical line repair equipment	99
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Electrical Power-Line Installers and Repairers (49-9051)
Associated Occupation: Telecommunications Line Installers and Repairers (49-9052)

Tools and Technologies	Exclusivity
Aerial lifts	13
Business function specific software	1
Computers	1
Cutting and crimping and punching tools	3
Earth moving machinery	11
Electrical cable and accessories	47
Electrical hardware and supplies	47
Electrical measuring and testing equipment	7
Electronic and communication measuring and testing instruments	14
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Ladders and scaffolding	6
Light and wave generating and measuring equipment	4
Machine tools	7
Measuring and layout tools	3
Personal communication devices	2
Power tools	2
Product and material transport vehicles	13
Pulling tools	31
Soldering and brazing and welding machinery and supplies	6
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.